Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

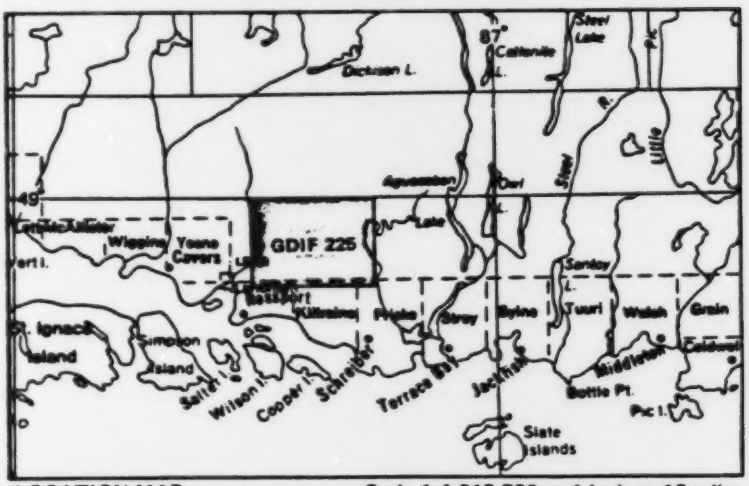
ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO
GDIF 225

PAYS PLAT LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0826/

NTS Number 42 D 14/NW

Mining Claim Map Number Pays Plat Lake Area G-606 (M-2522)

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geologcial Survey
1985: Pays Plat Lake Area, District of Thunder Bay; Ontario Geologcial Survey, Geological Data Inventory Folio 225 ; compiled by the staff of the Resident Geologist's Office, Thunder Bay, 38 pages and 3 maps.

Original Compilation by: P. Perry

Date	Page Revised	Revised by

Date	Page Revised	Revised by

PAYS PLAT LAKE AREA

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ACCOMPANYING MAPS

Property Location Map - 2

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	P. NOV./84
2	Assessment Files Research Office, Toronto	YES	P. NOV./84
3	ODM General Index; 7 volumes	YES	P. NOV./84
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	P. NOV./84
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	P. NOV./84
6	ODM Industrial Mineral Reports	NO	P. NOV./84
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	P. NOV./84
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	P. NOV./84
9	Newspaper Clippings File	YES	P. NOV./84
10	GSC Index to Publications	YES	P. NOV./84
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	P. NOV./84
12	OGS Index Maps	YES	P. NOV./84
13	Source Mineral Deposit Records (O.G.S.)	PARTIAL	P. NOV./84
14	Author - Subject Articles File	YES	P. NOV./84
15	Miscellaneous Papers: ODM & OGS	YES	P. NOV./84
16	ODM Geological Circulars: OGS Study Series	NO	P. NOV./84
17	ODM Preliminary Reports: ODM Bulletins	YES	P. NOV./84
18	ODM – OGS Open File Reports	YES	P. NOV./84
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	P. NOV./84
20	OGS Aggregate Resources Inventory Papers	N.A.	P. NOV./84
21	OGS Mineral Potential Maps	YES	P. NOV./84

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . .Cadmium
- △ calc. . . . . .Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . .Cobalt
- △ cob. . . . . .Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . .Corundum
- △ dol . . . . . .Dolomite
- △ ep. . . . . .Epidote
- △ ery . . . . . .Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . .Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . .Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . .Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . .Iron Formation
- △ jas . . . . . .Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . .Kyanite
- ▲ Pb . . . . . .Lead
- △ lim . . . . . .Limonite
- △ Li. . . . . .Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . .Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . .Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . .Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- ▲ Mo . . . . . .Molybdenum
- △ mon . . . . . .Monazite
- △ ne. . . . . .Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- ▲ Ni. . . . . .Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . .Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . .Sand
- △ sgl . . . . . .Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . .Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . .Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . .Siderite
- △ si . . . . . .Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . .Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . .Sodalite
- △ spec . . . . . .Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . .Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . .Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . .Thucholite
- △ ti . . . . . .Titanite
- △ Ti. . . . . .Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . .Tungsten
- △ uran . . . . . .Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . .Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr. . . . . .Zircon

cord. . . . . cordierite
anth. . . . . anthophyllite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Anderson Deposit (Andowan Mines)	Cu		MRC 2, p. 45 MRC 12, pp. 321, 328	ODM, GR 27, pp. 21-22
B	Cleaver Lake Deposit (Zenmac Mines)	Cu		MRC 1, p. 34 MRC 2, p. 66 MRC 12, p. 322	ODM, GR 27, pp. 27-29
C_1 C_2	Zenith Deposits (past producer)	Zn		MRC 1, p. 33 MRC 2, p. 66 MRC 12, p. 325	ODM, GR 27, pp. 39-43
D	Johnson-Fisher	Au		MRC 13, p. 300	ODM, GR 27, p. 35
E_1 E_2 E_3	Little Duck Lake Prospects (McDonough Little Duck Lake Mining, KRNO No. 1, KRNO No. 3)	Zn, Pb, Cu, Ag, Au		MRC 1, p. 33 MRC 2, p. 66 MRC 10, p. 80 MRC 12, p. 323	ODM, GR 27, pp. 35-37
F	Ciglen Prospect	Zn		MRC 2, p. 47 MRC 12, p. 348	ODM, GR 27, pp. 26-27
G	Tribe (American Wonder) (Keevil Mining Group)	Au, Mo		MRC 7, p. 75 MRC 13, p. 301	ODM, GR 27, pp. 38-39
H	Sjolander Occurrence	Au, Mo		MRC 13, p. 301	ODM, GR 27, pp. 37-38
I	Estell Occurrence (Knox-Lang, Stratmat)	Cu, Mo		MRC 1, p. 29 MRC 2, p. 63 MRC 7, p. 72 MRC 12, p. 323	ODM, GR 27, p. 33

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
J	Cooper Occurrence	Au, Mo		MRC 13, p. 300	ODM, GR 27, p. 31
K	St. Louis	Au, Cu		MRC 13, p. 300	ODM, GR 27, p. 37
L	Wilton-Septimus	py, cp, po			Regional Geologist's Assessment Files, Thunder Bay
M	Duck Lake Mining Co. (Bobbie Lake) Occurrence	Au, Pb, Zn			Schreiber-Terrace Bay Mineral Deposit Files, Thunder Bay
N	Longworth Occurrence	Au		MRC 13, p. 300	ODM, GR 27, p. 37
O	Nicopor (Campbell) Occurrence	Cu, Ni		MRC 1, p. 26 MRC 2, p. 47 MRC 12, p. 321	
P	Halonen, J. E. (McMillens Lake) Occurrence	Cu, Mo			Regional Geologist's Assessment Files, Thunder Bay

GDIF FORM NO. 1

PAYS PLAT LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	PROPERTY REPORT		
COMPANY/AUTHOR (file number)																				
1	Acker, Walter			71																
2	Anderson, L. C. (Andowan Mines Limited)				52			52												
3	Bathurst-Maritime Mining Corp. F.N.: 63.531	51 54											54					54		
4	Ciglen, S. (Ciglen Group)	52		52		52												52		
5	Ciglen, S. (Willoughby Group)	52				52												52		
6	Corporation Falconbridge Copper F.N.: 2.6047									82										
7	Corporation Falconbridge Copper F.N.: 2.5394								82											
8	Corporation Falconbridge Copper F.N.: 2.5227											82	82							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
9	Corporation Falconbridge Copper F.N.: 2.5227											82	82							
10	Corporation Falconbridge Copper F.N.: 2.3859				82 83							80	80							
11	Corporation Falconbridge Copper F.N.: 2.6769, 2.6770		83		84							83	83							
12	Corporation Falconbridge Copper F.N.: 2.6769, 2.6770		83									83	83							
13	Corporation Falconbridge Copper F.N.: 2.5926, 2.3158	79	79		81 83							79	79							
14	Corporation Falconbridge Copper F.N.: 2.6474	83	83																	
15	Corporation Falconbridge Copper F.N.: 2.3902, 2.3903	81	81																	

GDIF FORM NO. 2

PAYS PLAT LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
16	Falconbridge Nickel Mines Ltd. F.N.: 63.207	50										50								
17	Haslat-Duck Lake Mines, Ltd.					28		28												
18	Kalrock Developments Ltd. F.N.: 2.5804								83	83										
19	Kinasco Explor. & Mining Ltd. (R. Janes Property)				57	57										57[1]				
20	KRNO Mines Ltd.	60[2]			60[2]			60[2]								60[2]				
21	Lanson Holdings F.N.: 63.534												54							
22	Lawrence, J.				55 56															
23	Longlac Mineral Explor. Ltd.				79															
24	McDonough, Joseph	54[3]																		
25	McDonough, Joseph	54[3]																		

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
26	New Athona Mines Limited (Ojibway Property)				56															
27	Nicohal Mines Limited (see also Zenmac Metal Mines Ltd.)	69			70			69												
28	Noranda Explor. Co. Ltd. (Gray Option) F.N.: 2.4146, 2.4624, 2.4842, 2.4933, 2.5288, 2.5434	82	82			82						81 82	82		82					
29	Noranda Explor. Co. Ltd. (Corporation Falconbridge Copper)			83																
30	Noranda Explor. Co. Ltd. F.N.: 2.5952								83^4											
31	Noranda Explor. Co. Ltd. (Charlotte Lake) F.N.: 2.5763								83^4	83^4										
32	Noranda Explor. Co. Ltd. (Second Lake) F.N.: 2.5763								83^4	83^4										

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
33	Noranda Explor. Co. Ltd. (Pays Plat Lake) F.N.: 2.5763								83^4	83^4										
34	Noranda Explor. Co. Ltd. (Sandridge Lake) F.N.: 2.5763								83^4	83^4										
35	Noranda Explor. Co. Ltd. (Gray Option) F.N.: 2.5763								83^4	83^4										
36	Noranda Explor. Co. Ltd. (Victoria Lake) F.N.: 2.5763, 2.6778	83	83						83^4	83^4										
37	Noranda Explor. Co. Ltd. (Victoria Lake) F.N.: 2.6803												83							
38	Noranda Explor. Co. Ltd. (Victoria Lake) F.N.: 2.6801											83								
39	Noranda Explor. Co. Ltd. (Victoria Lake) F.N.: 2.6795												83^5							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
40	Noranda Explor. Co. Ltd. (Wilshire Option) F.N.: 2.6065, 2.7042, 2.7025	84							83	83		84								
41	Norrie, Lanfear B.				65															
42	Stratmat Ltd. (Estell Deposit)	55			55												55^{6}			
43	United Montauban Mines Ltd. F.N.: 63.535												55							
44	Wilson, A., Bond, J. E., Mocnik, D. N. (Noranda Explor. Co. Ltd.) F.N.: 2.5966	83	83						83	83		83	83							
45	Wilton, G. M., Septimus Syndicate F.N.: 63A.158	52																		
46	Zacks, S. J. (Magnet Consolidated Mines)				51															
47	Zahavy Mines Limited F.N.: 2.5802								83	83										

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																					
48	Zenmac Metal Mines Ltd.	53			52 53 59			52 53													
49	Zenmac Metal Mines Ltd. F.N.: 63.E-2	64			65 66																
50	Zenmac Metal Mines Ltd. F.N.: 63.E-2		64										64[5]								
51	Zenmac Metal Mines Ltd. F.N.: 63.E-2												64[5]								
52	Zenmac Metal Mines Ltd. F.N.: 63.E-2																				
53	Zenmac Metal Mines Ltd.				65 66 67																
54	Zenmac Metal Mines Ltd. (Nicopor Property) F.N.: 63A.466, 63.2625	65			65 69							69									
55	Zenmac Metal Mines Ltd.	71[7]		71		71															

Notes:

1. Map only - no report, filed 42 E 3/SW.
2. Filed 42 E 3/SW.
3. Report only - no map. Filed 42 E 3/SW.
4. Filed 42 D 14/NE.
5. No anomalies noted.
6. Map only - no report. poor quality.
7. Map only - no report.

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1 a	Anderson, L. C.	1A	1952	320°	-45°	2.5	53.0	po, sp, gt, cp	
b	" " "	2A	"	195°	-45°	2.5	62.0	py, cp	
c	" " "	3A	"	310°	-47°	---	162.0	gt, po, cp	
d	" " "	4A	"	310°	-48°	---	58.0	gt, po, cp	
e	" " "	5A	"	315°	-50°	---	89.0	po, py, cp, sp, gt	
2	Corporation Falconbridge Copper	WL-1-81	Nov./81	248°	-65°	21.98	527.87	py, ep, ch, cp, mag, po	
3 a	" "	WL-2-81	Oct./81	248°	-55°	10.17	757.87	py, po, cp, mag, gt, sp	
b	" "	WL-3-81	"	248°	-65°	3.93	627.95	mag, po, py, cp, asp, gt, mc	
4	" "	WL-4-81	"	248°	-55°	5.90	638.12	py, po, mag, gt, il, cp	
5 a	" "	ZO-14-82	Sept./82	247°	-85°	1.64	2170.93	py, cp, carb, po, hem	
b	" "	ZO-47-83	Aug./83	250°	-86°	---	605.97	py, po, carb, ep	Cu, Zn, Ag, Au
c	" "	ZO-48-83	"	250°	-89°	---	2513.12	py, po, cp, ep, carb, gt, talc	
6	" "	ZO-28-83	Jan./83	250°	-85°	6.56	3166[1]	cp, carb, py, gt, ep, po	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
7	Corporation Falconbridge Copper	WL-5-83	Nov./83	250°	-85°	4.42	2821.52	py, po, carb, cp, gt, talc, hem, cord, anth, sp	
8	" "	WL-7-83	Dec./83	255°	-89°	2.46	2222.76	ep, py, carb, talc, cp, po, cord, anth, staur, gt, mo	
9	" "	BO-1-84	Feb./84	180°	-45°	7.54	442.91	py, po, carb, sp, ep	
10 a	Kinasco Exploration	3	Aug./57	140°	-45°	---	104.5	py, cp	Zn, Cu, Au, Ag
b	" "	4	"	140°	-45°	---	48.0	py, po, sp	Zn, Cu, Au, Ag
c	" "	5	Sept./57	180°	-45°	---	58.0	py, po, sp	Zn, Cu, Au, Ag
11	Lawrence, J.	1	Dec./55	140°	-55°	---	50.0		
12	" "	2	Jan./56	150°	-58°	---	53.0	gn, py, po	
13	" "	3	"	090°	-60°	---	53.0	py, po	
14	" "	4	Feb./56	070°	-65°	---	55.0		
15	" "	5	"	135°	-60°	---	52.0		
16	" "	6	"	090°	-65°	---	53.0		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
17	Long Lac Mineral Explor. Ltd.	SX-79-1	Feb./79	196°	-45°	10.0	250.0	py, mo, cp	
18	" " " "	SX-79-2	"	194°	-45°	7.0	254.0	py, mo, cp, mag	
19 a	" " " "	SX-79-3	Mar./79	194°	-45°	10.0	300.0	mo, cp, py	
b	" " " "	SX-79-4	"	014°	-45°	17.0	200.0	py, mo	
20	New Athona Mines Ltd.	D-1	Feb./56	135°	-37°	11.0	600.0	py, ep	
21	" " " "	D-2	"	144°	-45°	3.0	402.0	py, ep	
22	" " " "	D-3	Mar./56	330°	-45°	---	243.0	py, ep	
23	" " " "	D-4	"	202°	-37°	14.0	448.0	py, carb, ep	
24 a	Nicohal Mines Limited	9	Oct./70	-	-90°	10.0	337.0	py, po	Ni, Cu
b	" " "	10	"	-	-90°	2.0	356.0	S	Ni, Cu
25	" " "	11	"	-	-90°	5.0	499.0	S	Ni, Cu
26	" " "	12	"	-	-90°	4.0	252.0		
27	" " "	13	"	-	-90°	20.0	261.0		
28 a	" " "	14	"	-	-90°	7.0	582.0	S	Ni, Cu
b	" " "	15	Nov./70	-	-90°	4.0	656.0		Ni, Cu
c	" " "	16	"	-	-90°	2.0	603.0	S	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
29	Nicohal Mines Limited	17	Nov./70	-	-90°	5.0	494.0	S	Ni, Cu
30 a	Norrie, Lanfear B.	G-1	Nov./65	235°	-45°	10.0	107.0	py, po, cp	
b	" " "	G-2	"	235°	-40°	7.0	123.0	gt, py, cp	
c	" " "	G-3	"	235°	-40°	9.0	110.0	py, cp	
31	Stratmat Limited	16-1	Mar./55	195°	-55°	132.0	751.0	py, fl, mag, hem, cp	Au, Cu, Mo
32 a	" "	16-6	May/55	220°	-45°	7.0	492.0	py, ep, mo, cp, cp, carb	Au, Cu, Mo
b	" "	16-7	"	220°	-45°	9.0	299.0	mo, py, cp, ep	Au, Cu, Mo
c	" "	16-8	"	-	-90°	8.0	373.0	carb, mo, cp, ep, hem	Au, Cu, Mo
d	" "	16-9	June/55	-	-90°	9.0	338.0	carb, py, cp, mo	Au, Cu, Mo
e	" "	16-10	"	-	-90°	6.0	325.0	cp, mo, py, mag, ep	
33 a	" "	16-5	May/55	220°	-45°	8.5	420.0	mo, py, cp, hem, calc	Au, Cu, Mo
b	" "	16-11	June/55	260°	-45°	10.0	235.0	mo, py, cp, carb	Au, Cu, Mo
c	" "	16-13	"	-	-90°	6.0	184.0	cp, py, mo, carb, ep	Au, Cu, Mo

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
34	Stratmat Limited	16-12	June/55	117°	-45°	9.0	221.0	carb, cp, mo	Au, Cu, Mo
35 a	" "	16-4	May/55	217°	-45°	7.0	813.0	mo, cp, py, ep, mag, calc, hem	Au, Cu, Mo
b	" "	16-14	June/55	-	-90°	3.0	243.0	cp, mo, mag, carb	Au, Cu, Mo
c	" "	16-15	"	-	-90°	6.0	212.0	carb, cp, mo, py	Au, Cu, Mo
d	" "	16-16	"	-	-90°	2.0	209.0	cp, mo, carb, ep	Au, Cu, Mo
36 a	Zacks, S. J.	1	Feb./51	131°	-45°	11.5	175.0	ep, py, carb, sp	
b	" " "	2	"	229°	-50°	16.0	364.0	py, sp, po, ep, cp, gn	
c	" " "	3	Mar./51	229°	-50°	5.0	215.0	py, sp, po, cp, gn	
d	" " "	4	"	229°	-50°	16.0	239.0	ep, py, po, sp, gn, cp	
e	" " "	5	"	229°	-50°	8.0	204.0	py, gn, sp, cp, po	
f	" " "	6	"	114°	-50°	5.0	254.0	py, po, sp, gn	
g	" " "	7	"	106°	-45°	9.0	257.0	py, po, gn	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
37 a	Zacks, S. J.	8	Mar./51	145°	-45°	25.0	602.4	py, gt, ep, po, sp	Au
b	" " "	9	"	105°	-50°	25.0	335.0	cu, ep, carb	Au
c	" " "	10	"	105°	-45°	19.0	218.0	py, carb	Au
38 a	KRNO Mines Limited	CH-E-1	July/60	190°	-50°	---	49.0	cp, py, ep	Au
b	" " "	CH-E-2	"	220°	-45°	7.0	73.0	py	Au
39 a	Zenmac Metal Mines Limited	1A	April/52	178°	-53°	5.0	196.0	py, sp, cp	Zn, Cu
b	" " " "	1B	"	178°	-68°	5.0	183.0	sp, cp, py	Zn, Cu
c	" " " "	2A	"	166°	-30°	1.0	27.0	sp, cp	Zn, Cu
d	" " " "	2B	"	166°	-50°	5.0	106.0	sp	Zn
e	" " " "	3A	"	155°	-50°	4.0	142.0	cp, py, cp	Zn
f	" " " "	4A	"	225°	-53°	4.5	140.0	sp	
g	" " " "	5A	May/52	215°	-48°	6.0	145.0	sp	Zn, Cu
h	" " " "	5B	"	215°	-68°	6.0	319.0	cp, sp, py, po	Zn, Cu
i	" " " "	5C	"	215°	-39°	6.0	228.0	sp, cp	Zn, Cu
j	" " " "	5D	"	215°	-39°	5.0	231.0	sp, cp	
k	" " " "	5E	"	215°	-80°	5.0	273.0	sp, cp	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
39 l	Zenmac Metal Mines Limited	6A	May/52	231°	-48°	4.0	116.0	py, cp, sp	Zn, Cu
m	" " " "	6B	"	231°	-68°	4.0	98.0	sp, cp	
n	" " " "	7	"	195°	-57°	8.0	240.0	sp, py, cp	Zn, Cu, Ag, Ni
o	" " " "	8	"	250°	-52°	3.5	204.0	sp, cp, py	Zn, Cu
p	" " " "	9	"	-	-90°	5.0	279.0	py, sp, cp	Zn, Cu
q	" " " "	10	June/52	-	-90°	8.0	420.0	py, sp, cp	Zn, Cu
r	" " " "	11	"	-	-90°	4.0	270.0	sp, cp, gn, py	Zn, Cu
s	" " " "	12	"	-	-90°	7.0	237.0	sp, py, cp	Zn, Cu
t	" " " "	13	"	-	-90°	3.5	302.0	py, cp, sp	Zn, Cu
u	" " " "	14	"	-	-90°	3.5	322.0	sp, cp, py	Zn, Cu
v	" " " "	15	"	-	-90°	5.0	333.0	sp, gn, cp, py	Zn, Cu
w	" " " "	16	"	-	-90°	4.0	320.0	py, cp, sp	Zn, Cu
x	" " " "	17	July/52	-	-90°	4.0	497.0	sp, cp, py	Zn
y	" " " "	18	"	-	-90°	6.0	300.0	sp, cp, py	Zn, Cu
z	" " " "	19	"	-	-90°	3.0	478.0	sp, cp, py	Zn, Cu
a_2	" " " "	20	"	-	-90°	4.0	297.0	sp, py, cp, gn	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
39 b_2	Zenmac Metal Mines Limited	31	July/52	-	-90°	3.0	271.0	sp, py, cp	
c_2	" " " "	32	"	-	-90°	5.0	286.0	sp, py, cp	
d_2	" " " "	33	"	-	-90°	3.0	302.0	sp	
e_2	" " " "	34	Aug./52	-	-90°	4.0	355.0	sp, cp, py	
f_2	" " " "	35	"	-	-90°	10.0	417.0	sp	
g_2	" " " "	39	"	-	-90°	3.0	422.0	sp	Zn
h_2	" " " "	41	July/52	-	-90°	6.0	200.0	py, sp	
i_2	" " " "	42	"	-	-90°	11.0	444.0	py, cp, sp	
j_2	" " " "	43	Aug./52	-	-90°	10.0	422.0	sp, py, cp	
k_2	" " " "	44	"	-	-90°	10.0	424.0	sp, cp	Zn
l_2	" " " "	45	"	-	details not included			sp	Zn
m_2	" " " "	49	"	-	-90°	5.0	547.0	sp, cp	
40 a	" " " "	21	June/52	202°	-60°	5.0	172.0	sp	
b	" " " "	22	"	202°	-59°	2.0	207.0	sp, cp, po	Zn, Cu
c	" " " "	23	"	202°	-58°	3.0	219.0	po	
d	" " " "	24	"	202°	-58°	3.0	212.0		
e	" " " "	25	July/52	202°	-53°	5.0	184.0	sp, cp	Zn, Cu

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
40 f	Zenmac Metal Mines Limited	26	July/52	202°	-55°	7.0	231.0	sp, cp	
g	" " " "	27	"	202°	-55°	4.0	235.0	sp	
h	" " " "	28	"	202°	-53°	4.0	410.0	py, cp	Zn, Cu
41 a	" " " "	29	"	-	-90°	3.0	410.0	sp, cp, py	
b	" " " "	30	"	230°	-40°	3.0	363.0	sp, py, cp	
42 a	" " " "	80	Feb./53	267°	-45°	34.0	556.0	py, po, cp	Cu
b	" " " "	81	Mar./53	255°	-50°	5.0	745.0	py, cp	
43	" " " "	83	"	255°	-45°	7.0	547.0	py, cp	
44	" " " "	92	May/53	225°	-60°	7.0	630.0	cp	
45 a	" " " "	1-59	Oct./59	-	-90°	---	101.5		
b	" " " "	2-59	"	-	-90°	---	100.3	mag, py	
c	" " " "	3-59	"	-	-90°	---	101.2		
d	" " " "	4-59	"	-	-90°	---	101.6	py	
46 a	" " " "	A-1	Nov./65	300°	-60°	20.0	300.0	py, cp, po, gt	
b	" " " "	A-2	"	300°	-60°	2.0	423.0	py, cp, po, gt	
47 a	" " " "	W 1	"	257°	-55°	5.5	300.0	gt, ep, py,	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
47 b	Zenmac Metal Mines Limited	W 2	Nov./65	257°	-55°	6.0	420.0	gt, py	
48	" " " "	1	Nov./66	135°	-45°	5.0	502.0		
49	" " " "	2	"	135°	-45°	35.0	502.0		
50 a	" " " "	104	Nov./65	340°	-60°	3.3	181.0		
b	" " " "	105	"	-	-90°	3.0	532.0	cp, py	
51	" " " "	108	Nov./66	270°	-45°	---	347.0	py, cp, mo, bn, po	
52	" " " "	109	"	263°	-45	12.0	349.0	py, cp, gt, mag	
53 a	" " " "	110	Dec./66	245°	-45°	29.0	252.0	py, cp	
b	" " " "	111	"	245°	-45°	32.0	362.0	cp, py, mo	
c	" " " "	112	Jan./67	240°	-45°	44.0	151.0	cp	
54 a	" " " "	113	"	240°	-45°	40.0	185.0	cp, py	
b	" " " "	114	"	-	-90°	22.0	207.0	py, cp	
55	" " " "	139	Mar./67	245°	-45°	5.0	351.0	py, cp, mag	Zn, Cu
56	" " " "	140	"	245°	-45°	5.0	252.0	gt, py, cp	
57 a	" " " "	N-1	Sept./65	348°	-45°	---	50.0	po, py, cp	Ni, Cu
b	" " " "	N-2	Oct./65	348°	-53°	---	33.0	po, py, cp	Ni, Cu

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
57 c	Zenmac Metal Mines Limited	N-3	Oct./65	-	-90°	---	55.0		
d	" " " "	N-4	"	300°	-48°	---	30.2	po, py, cp	Ni
e	" " " "	N-5	"	292°	-68°	---	32.0	py, po, cp	Ni, Cu
f	" " " "	1	Oct./69	330°	-52°	---	260.0	py, cp	Ni, Cu
g	" " " "	2	"	330°	-82°	5.0	300.0	py, S	Ni, Cu
h	" " " "	3	"	330°	-52°	---	213.0	py, po	Ni, Cu
i	" " " "	4	"	330°	-82°	5.0	207.0	S	Ni, Cu
j	" " " "	5	"	-	-90°	5.0	304.0	py	
k	" " " "	6	"	-	-90°	5.0	304.0	py, S	Ni, Cu
l	" " " "	7	"	-	-90°	7.0	274.0	hem, py, S	Ni, Cu
m	" " " "	8	"	-	-90°	5.0	245.0	py, po, cp	Ni, Cu

Notes:

1. Log results for first 1968.50 feet only.

GDIF FORM NO. 3

PAYS PLAT LAKE AREA

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
6	Questor Surveys Limited Corporation Falconbridge Copper F.N.: 2.6047	Electromagnetic, VLF-E.M.	122 metres	NNW/SSE	200 metres
7	Questor Surveys Limited Corporation Falconbridge Copper F.N.: 2.5394	Magnetic	122 metres	NNW/SSE	200 metres
18	Dighem Limited Kalrock Developments Limited	Electromagnetic, Magnetic	64 metres	NW/SE	250 metres
30	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.5952	Magnetic	120 metres	NNW/SSE	250 metres
31 32 33 34 35 36	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.5763	Electromagnetic, Magnetic	120 metres	NNW/SSE	250 metres
40	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.6065	Electromagnetic, Magnetic	120 metres	NNW/SSE	250 metres
44	Questor Surveys Limited Wilson, Bond & Mocnik	Electromagnetic, Magnetic	120 metres	NNW/SSE	250 metres
47	Dighem Limited Zahavy Mines Limited F.N.: 2.5802	Electromagnetic, Magnetic, Resistivity	64 metres	NW/SE	250 metres

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Lithogeochemical	Zn	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
2	Lithogeochemical	Zn	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
3	Lithogeochemical	Cu, Zn, Na_2O	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
4	Lithogeochemical	Cu, Zn, Na_2O	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
5	Lithogeochemical	Cu, Zn, Na_2O	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
6	Humus Sampling	Zn, Cu, Au	Noranda Exploration Co. Ltd. (Gray Option)	Resident Geologist's Assessment Files, Thunder Bay
7	Humus Sampling	Cu, Pb, Zn	Noranda Exploration Co. Ltd. (Victoria Lake)	Resident Geologist's Assessment Files, Thunder Bay
8	Stream Sediment	Zn, Hg	Zenmac Metal Mines Ltd.	Resident Geologist's Assessment Files, Thunder Bay

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

PAYS PLAT LAKE AREA

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Andowan Mines Limited

Corporation Falconbridge Copper

Falconbridge Nickel Mines Limited

Kalrock Developments Limited

Long Lac Mineral Exploration Limited

New Athona Mines Limited

Nicohal Mines Limited

Noranda Exploration Company Limited

Stratmat Limited

Zenmac Metal Mines Limited

ODM GENERAL INDEX SEARCH

Words searched: Anderson Occurrence, Andowan Mines, Big Duck Lake, Bobbie Lake, Charlotte Lake, Ciglen, S., Cleaver Lake Deposit, Duck Lake Mining Co., Estell Occurrence, Haslat-Duck Lake Mines, KRNO Mines Limited, Little Duck Lake/Little Duck Lake Prospects, Longworth Occurrence/Big Duck Lake Area, McBean Lake, Nicohal Mines Limited, Nicopor Occurrence, Pays Plat Lake, Rhea Lake/Ross Lake, Sjolander Occurrence, Sox Lake, Tribe Occurrence, Winston Lake, Zeniuth Mine/Occurrence, Zenmac Metal Mines

Index Volume	Listing:	Report Volume	Part	Page
1	Little Duck Lake, North of Schreiber			
	Gold mining. See Johnson-Fisher Mine			
	Rocks	24	1	10
	Winston, near Rossport			
	Zinc. See Zeniuth Zinc Mine			
	Zeniuth Zinc Mine, near Rossport, Thunder Bay District			
	Area and discovery	9		86, 87
	Notes by Bell	R.C.		30
	Production	11		27
		24	1	13
	Report by Uglow	25	2	7-9
	Work at (1899)	9		86, 87
	(1900)	10		110
	(1901)	11		298
	(1902)	12		25
	Zeniuth Gold Mining Company			
	Capital and date of charter	8		10
2	Big Duck Lake, North of Schreiber			
	Copper and gold	24		21
		30	4	19-23
	Discovery	30	2	4
	Mining	30	2	39
	Fish absent	30	4	3
	Map of area. See map 30a with	30	4	
	Photo	30	4	19
	Report of area	30	4	1-26
	Veins, mineralization	26		289, 299
	Water power	30	4	3
	Big Duck Lake Mining Company			
	Capital and date of charter	27	1	70
	Bobbie Lake, Southwest of Big Duck Lake, Thunder Bay District			
	Keewatin rocks. See map 30a with	30	4	

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Charlotte Lake, South of Big Duck Lake, Thunder Bay District			
	Algoman rocks. See map 30a with	30	4	
	Duck Lake, North of Schreiber. See Big Duck Lake			
	Duck Lake Gold Claim, Big Duck Lake			
	Quartz, character; mineralization	30	4	21
	Duck Lake Mining Company			
	Capital and date of charter	27	1	71
	Estell Gold Claim, Big Duck Lake			
	Carbonate schists	30	4	21
	Gold, visible	30	4	20
	Mineralization, vein	30	4	22
	Little Duck Lake, West of Big Duck Lake, Thunder Bay District			
	Gold prospecting	30	4	20
	Keewatin rocks. See map 30a with	30	4	
	Zinc blende	30	4	24
	Longworth Gold Mine, Big Duck Lake			
	See McKellar-Longworth Gold Mine			
	Longworth Lake, North of Schreiber			
	Algoman rocks. See map 30a with	30	4	
	Ross Lake, South of Big Duck Lake, Thunder Bay District			
	Algoman rocks. See map 30a with	30	4	
	Sjolander, C.			
	Gold claim near Big Duck Lake	30	4	19
	Zeniuth Zinc Mine, near Rossport, Thunder Bay District			
	Diorite	30	4	4, 5, 11
	Discovery	30	4	1
	Notes by Hopkins	30	4	23
	Photo	30	4	24
3	Andowan Mines Limited			
	Incorporated	49	1	45

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	Big Duck Lake, North of Schreiber			
	Copper near	49	7	2, 11
	Gold discovery	49	7	2
	mg. properties	49	7	8-10
	Ciglen, Samuel			
	of Orelia Mines	48	1	213
	Cleaver Mines Limited			
	Incorporated	41	1	44
	Duck Lake, North of Schreiber			
	Gold mg. See Haslat-Duck Lake Mines			
	Duck Lake Company			
	Gold claims, Big Duck Lake	49	7	10
	Estell Copper Claims, Big Duck Lake			
	Mineralization	49	7	11
	Haslat-Duck Lake Mines Limited			
	Capital; officers; operations:			
	(1938)	38	1	108, 109
	(1939)	39	1	98
	Incorporated	37	1	57
	Little Duck Lake, West of Big Duck Lake			
	Diorite, notes and photo	49	7	5, 6
	Gold claims near	49	7	8, 9
	Lead-zinc deposits	49	7	10, 11
	Nicopor Mines Limited			
	Incorporated	47	1	52
	Property, notes and sketch map	47	9	37, 38
	Subsidiary, Cook Lake Gold Mines	47	1	109
	Rhea* Lake, North of Township 85, Thunder Bay District			
	*Or Ross Lake			
	Canoe route to	47	9	30
	Gold values near	47	9	35
	Lava near	47	9	33

PAYS PLAT LAKE

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	Ross Lake, North of Township 84, Thunder Bay District			
	See Rhea Lake			
	Winston Lake, West of Big Duck Lake			
	Rocks	49	7	6, 8
	Zeniuth Lead-Zinc Mine, West of Big Duck Lake			
	Description and photo	49	7	10
6	Zenmac Metal Mines Limited			
	Uranium claims	65	5	154
7	Anderson, Lorne C.			
	Copper deposit, Big Duck Lake Area			
	Report on	GR 27		21
	Andowan Mines Limited			
	Mining properties, Port Arthur Area			
	Reports on			
	(1954)	MRC 1		24, 25
	(1957)	MRC 2		44, 45
	Big Duck Lake, Thunder Bay District			
	Mineral deposits	GR 27		18, 21
	Reports on	GR 27		23, 31, 33, 34
	Big Duck Lake Area, Thunder Bay District			
	Report on mineral deposits			
	by E. G. Pye	GR 27		
	Ciglen, S.			
	Mineral deposit, Big Duck Lake			
	Area, report and plan	GR 27		26, 27
	Mining property near Rossport			
	Report on (1957)	MRC 2		47
	Cleaver Lake, Big Duck Lake Area			
	Copper deposit, report and plan	GR 27		26, 27

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

Index Volume	Listing:	Report Volume	Part	Page
7	Estell Gold-Copper Deposits, Big Duck Lake			
	Report and plan	GR 27		31-34
	Haslat-Duck Lake Mines Limited			
	Development work, Little Duck Lake	GR 27		35
	KRNO Mines Limited			
	Big Duck Lake Area			
	Drilling by	GR 27		30, 33, 38
	Properties acquired	GR 27		23-25, 29, 31, 34
	Little Duck Lake, Big Duck Lake Area			
	Mineral deposits	GR 27		18, 21, 25, 35
	Sjolander Deposit, Big Duck Lake Area			
	Report on	GR 27		37
	Tribe Deposits, Big Duck Lake Area			
	Report on	GR 27		38
	Winston Lake, Big Duck Lake Area			
	Mineral deposits near	GR 27		21, 27
	Zeniuth Zinc Mine, Big Duck Lake Area			
	Report and section	GR 27		39-43
	Zenmac Metal Mines Limited			
	Claims acquired, Big Duck Lake Area	GR 27		27, 39
	Mining properties, near Rossport			
	Reports on			
	(1954)	MRC 1		33
	(1957)	MRC 2		66

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Anderson Prospect			
	Big Duck Lake Area, Thunder Bay District			
	Mining property, report on	MRC 012		321
	Big Duck Lake Area, Thunder Bay District			
	Copper	MRC 012		329
	Copper/Zinc/Lead	MRC 012		321-324
	Gold/Silver	MRC 013		290-291
	Molybdenum	MRC 007		71-72
	Pyrite	MRC 005		58
	Silver	MRC 010		79, 80
	Big Duck Lake Occurrences			
	Big Duck Lake Area, Thunder Bay District			
	Mining property, report on	MRC 011		426
	Cleaver Lake Prospect			
	Big Duck Lake Area, Thunder Bay District			
	Mining property, report on	MRC 012		322
	Estell Deposit			
	Big Duck Lake Area, Thunder Bay District			
	Mining property, report on	MRC 012		323
	Little Duck Lake Mine			
	See McDonough Prospect			
	Nicohal Mines			
	Schreiber Area, Thunder Bay District	MP 046		154
	Zeniuth Mine			
	See also Zenmac Mine			
	Township 84, Thunder Bay District	MP 047		47
	Zenmac Metal Mines Limited			
	Schreiber Area, Thunder Bay District	AR 074		81
		AR 075		77-78
		AR 076		87
		AR 077		73-74
		AR 078		50-51

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8		AR 079		51-52
		AR 080		134
		MP 047		47
	Schreiber Township, Thunder Bay District	MP 016		35-36
		MP 046		154
	Zenmac Mine			
	Township 84, Thunder Bay District			
	Mining property, report on	MRC 012		324-325
9	Longworth, W. L.			
	Schreiber Area, Thunder Bay District	MP 090		44
	McBean Lake Area, Thunder Bay District			
	Gold float	MDC 017		120
	Nicohal Mines Limited			
	Schreiber Area, Thunder Bay District	MP 090		45
	Nicopor Mines Limited			
	Schreiber Area, Thunder Bay District	MP 090		44
	Nicopor Showing			
	Schreiber Area, Thunder Bay District			
	Report on porperty	MP 090		44, 45-46
	Pays Plat			
	Rossport Area, Thunder Bay District	GB 005		67
	Zenmac Metal Mines Limited			
	Schreiber Area, Thunder Bay District	MP 090		44-45, 46
		MP 096		43, 45
		MPBP 003		91, 97, 99

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West Central Sheet.	ODMNA Map 2199	1 inch to 16 miles
Pye, E. G.	1968	Nipigon-Schreiber, Thunder Bay District, Ontario; Geological Compilation Series. Associated maps: 2137, P-357, P-358, P-360.	ODM Map 2232	1 inch to 4 miles
		GEOLOGICAL MAPS AND REPORTS		
Bartely, M. W.	1940	Geology of the Big Duck-Aguasabon Lakes Area, Thunder Bay District, Ontario. Accompanied by map 49K. Associated report PR 1939-7.	ODM AR Vol. 49, Pt. 7	pp. 1-11 2 inches to 1 mile
Bell, R.	1872	Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario.	GSC Report of Progress 1870-1871, Pt. 8	
Carter, M. W.	1981	Precambrian Geology of the Schreiber Area, East Part, 42 D 14/W, Thunder Bay District, Ontario.	OGS Map P-2391	1:15,840
Carter, M. W.	1981	Precambrian Geology of the Schreiber Area, West Part, 42 D 14/W, Thunder Bay District, Ontario.	OGS Map P-2390	1:15,840
GSC	1935	Lake Nipigon Sheet, Ontario.	GSC Map 308A	1 inch to 8 miles

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Harcourt, G. A.	1938	The Southwestern Part of the Schreiber Area, Thunder Bay District, Ontario. Accompanied by map 47J. Associated report PR 1936-05.	ODM AR Vol. 47, Pt. 9	pp. 1-28 2 inches to 1 mile
Hopkins, P. E.	1915	Geology and Canoe Routes from Schreiber to Big Duck Lake, Thunder Bay District, Ontario. Accompanied by map 24B.	ODM AR Vol. 24, Pt. 1	pp. 1-65 1 inch to 2 miles
Hopkins, P. E.	1921	Schreiber-Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 30A.	ODM AR Vol. 30, Pt. 4	pp. 1-26 1 inch to 1 mile
Kite, B. T.	1981	The Geology of the Zeniuth Zinc Deposit near Schreiber, Ontario.	Unpublished H.B.Sc. Thesis, Lakehead University	
Pye, E. G.	1964	Mineral Deposits of the Big Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 2023. Associated map P-87. Associated report PR 1961-1.	ODM GR 27	4 inches to 1 mile
Marmont, Soussan	1984	The Terrace Bay Batholith and Associated Mineralization.	OGS - OFR 5514	
Marmont, Soussan, Colvine, A. C.	1983	The Geology and Mineralization of the Terrace Bay Batholith, Mink Lake Stock, and Cairo Stock.	OGS MP 100	pp. 230-233
Severin, P. W. A., Balint, F.	1984	The Geological Setting of the Winston Lake massive Sulphide Deposit.	CIM District 4, Field Trip Guide	
Tanton, T. L.	1921	Nipigon-Schreiber District, Ontario.	GSC Summary Report 1920, Pt. D	pp. 2-7

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Unger, D.	1980	Zenmac Report.	Unpublished Report, Corporation Falconbridge Copper	
Wilson, W. J., Collins, W. H.	1909	Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario, and Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. Accompanied by map 964.	GSC Separate Report 980 and 1081	
		GEOPHYSICAL MAPS AND REPORTS		
ODM - GSC	1963	Aeromagnetic Map, Schreiber, Ontario (42 D 14).	GSC Map 2139G	1:63,360
ODM - GSC	1965	Aeromagnetic Map, Schreiber, Ontario (42 D).	GSC Map 7088G	1 inch to 4 miles
ODM - GSC	1970	Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario; Aeromagnetic Compilation Map.	ODM Map P-578	1 inch to 16 miles
		GEOCHEMICAL MAPS AND REPORTS		
GSC	1981	National Geochemical Reconnaissance Coloured Compilation Map Series; Lake Superior, Ontario.	GSC - OFR 746	1:2,000,000
GSC - OGS	1978	Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805 to P-1818.	GSC - OGS - OFR 5248	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineral Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario.	OGS Map P-1520	1:250,000
Springer, J. S., et al	1982	Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE.	OGS - OFR 5326	
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Farrand, W. R.	1960	Former Shorelines in Western and Northern Lake Superior Basin.	Unpublished Ph.D. Thesis, University of Michigan	
Gartner, J. F.	1980	Northern Ontario Engineering Geology Terrain Study 59, Schreiber Area, NTS 42 D/NW, Thunder Bay District, Ontario. Accompanied by map 5092.	NOEGTS 59	1:100,000
Surveys and Mapping Branch Department of Energy, Mines and Resources	1968	Topographic Map Schreiber Sheet, Thunder Bay District, Ontario (42 D 14/SW).		1:50,000
Zoltai, S. C.	1965	Thunder Bay Surficial Geology, NTS 42 D, E, L; 52 A, H, I, Ontario.	ODLF Map S2-65	1 inch to 8 miles
Zoltai, S. C.	1967	Glacial Features of the North Central Lake Superior Region, Ontario.	Canadian Journal of Earth Sciences, Vol. 4, No. 2	pp. 515-528

GDIF FORM NO.9

NOTES AND ADDENDA

87° 30'

49° 00'

Bath L.

Winston Lake

Pays Plat R.

Pays Plat

Plat Lake

Winston

Lake Ct.

Little Duck

Selim

Kenabic L.

Cleaver L.

Zenith

Pick L.

Demijohn

Gumboot

Longcanoe

North Selim R.

13 4 5 3 17 46 28 7 51 10 45 52 47 32 18

87° 15'

49° 00'

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Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 225

(Map **1** of **3**)

PAYS PLAT LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Little Duck

Big Duck Lake

North Selim R.

Bobbie L.

Kenabic L.

Selim

Cleaver L.

Zenith

Demijohn

Rockpile

Duck

Charlotte Lake

Bluff Lake

Parsons Lake

Big

Deep L.

Gumboot

Longcanoe

Kate

Selim

4 5 10 12 17 18 24 28 31 43 45 46 51 52

Lake

← 7

7 →

Selim

18

Gumboot

32

Pays Plat R.

Sox

32

Longcanoe

L.

Rhea

Hornblende

L.

33

23

River

27

Rhea

Lake

Lake

Wyne

27

Sox

Garter

22

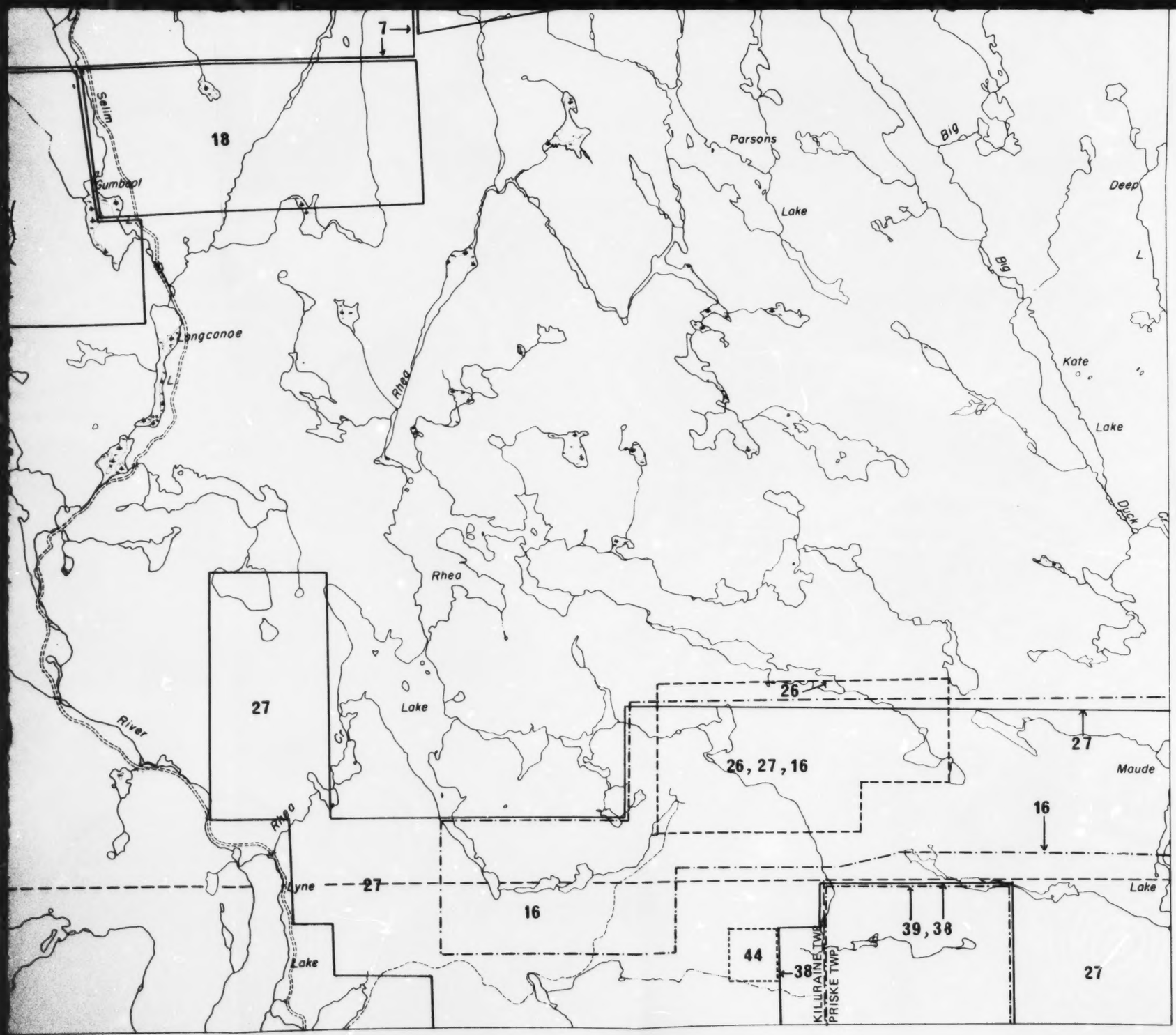
L.

LAHONTAN TWP.

KILLRAINE TWP.

48° 52' 30"

87° 30'



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

87° 30'

49° 00'

Bath
L
Winston
Lake
Pays
Pays
Plat
Plat
Lake
Winston
Triangle
Lake
The
Third
Lake
Plat
R
Little
Duck
L
Selim
Lake
Selim
River
Kenabic L.
Cleaver
Pick
Demijohn
Selim
Gumboot
L
Longcanoe
Gr

34
6
25
19
11
35
29, 25
8
8
14
53
29
49
50
53
50, 48
14
15
53
6
48
48
30
41
41
30
6

87° 15'

49° 00'

Ontario

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Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 225

(Map **2** of **3**)

PAYS PLAT LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Little Duck L.
Big Duck Lake
Selim Lake
Bobbie L
Selim River
Kenabic L.
Cleaver
Zenith
Demijohn
Gumboot L.
Longcanoe
Rockpile L.
Charlotte Lake
Bluff Lake
Parsons Lake
Big Deep L.
Big Cr.
Duck
Selim

Lake

30

Triangle Lake

The Third Lake

Pays Plat R.

Sox

41

Selva

Gumboot L.

6

Longcanoe L.

Hornblende L.

Ambrose Lake

Rhea

55

1

Crystal Lake

30

River

Lake

Jimmie Lake

Sox

Lyne Lake

Elbow Lake

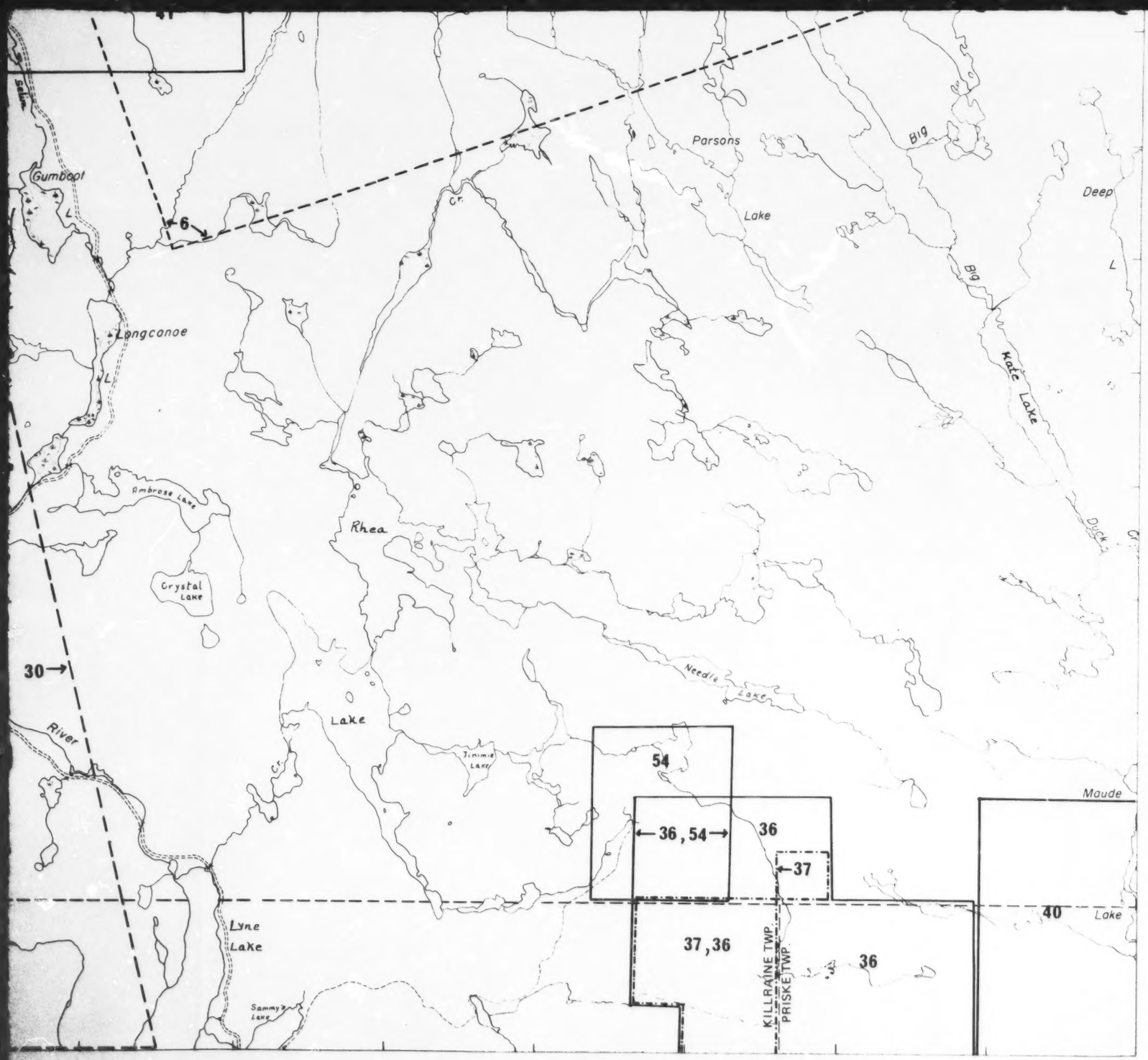
Carter Lake

LAHONTAN TWP.
KILLRAINE TWP.

Sammy's Lake

48° 52' 30"

87° 30'



EXPLORATION DATA FILE AREAS

⊠ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area of exploration.

48° 52′ 30″

87° 15′

87° 30'

49° 00'

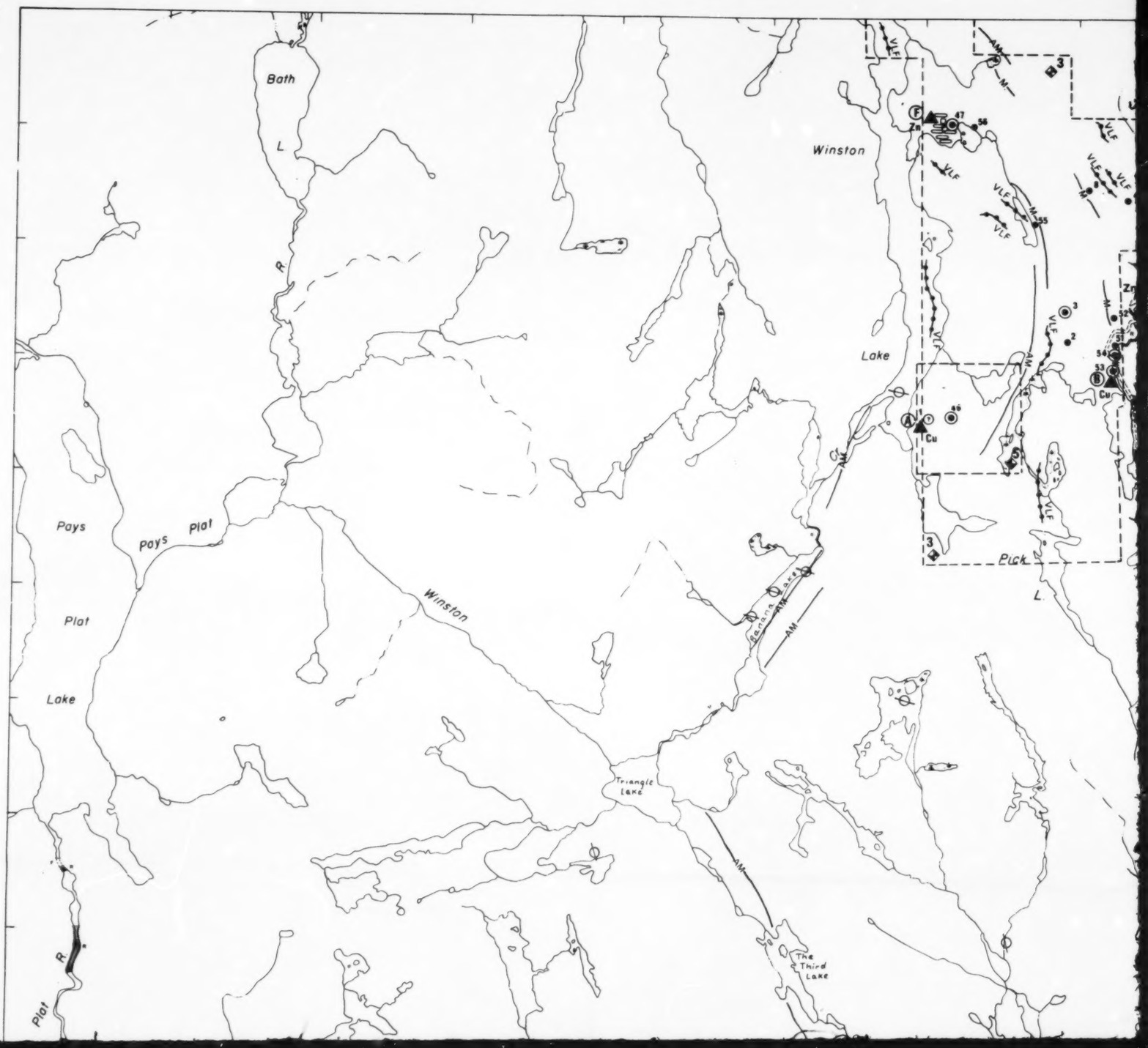
TYPES OF DATA SHOWN ON THIS MAP

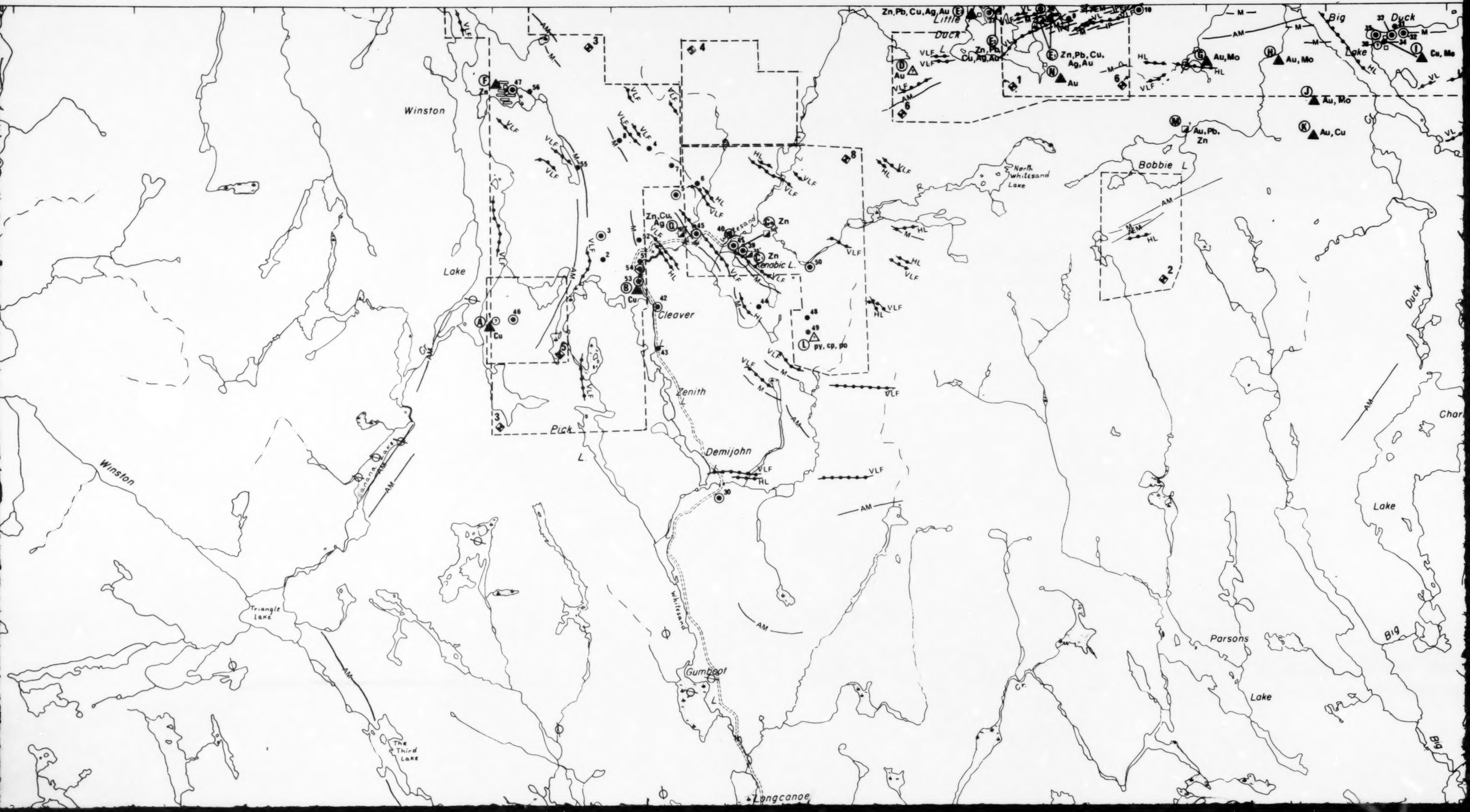
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☒ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

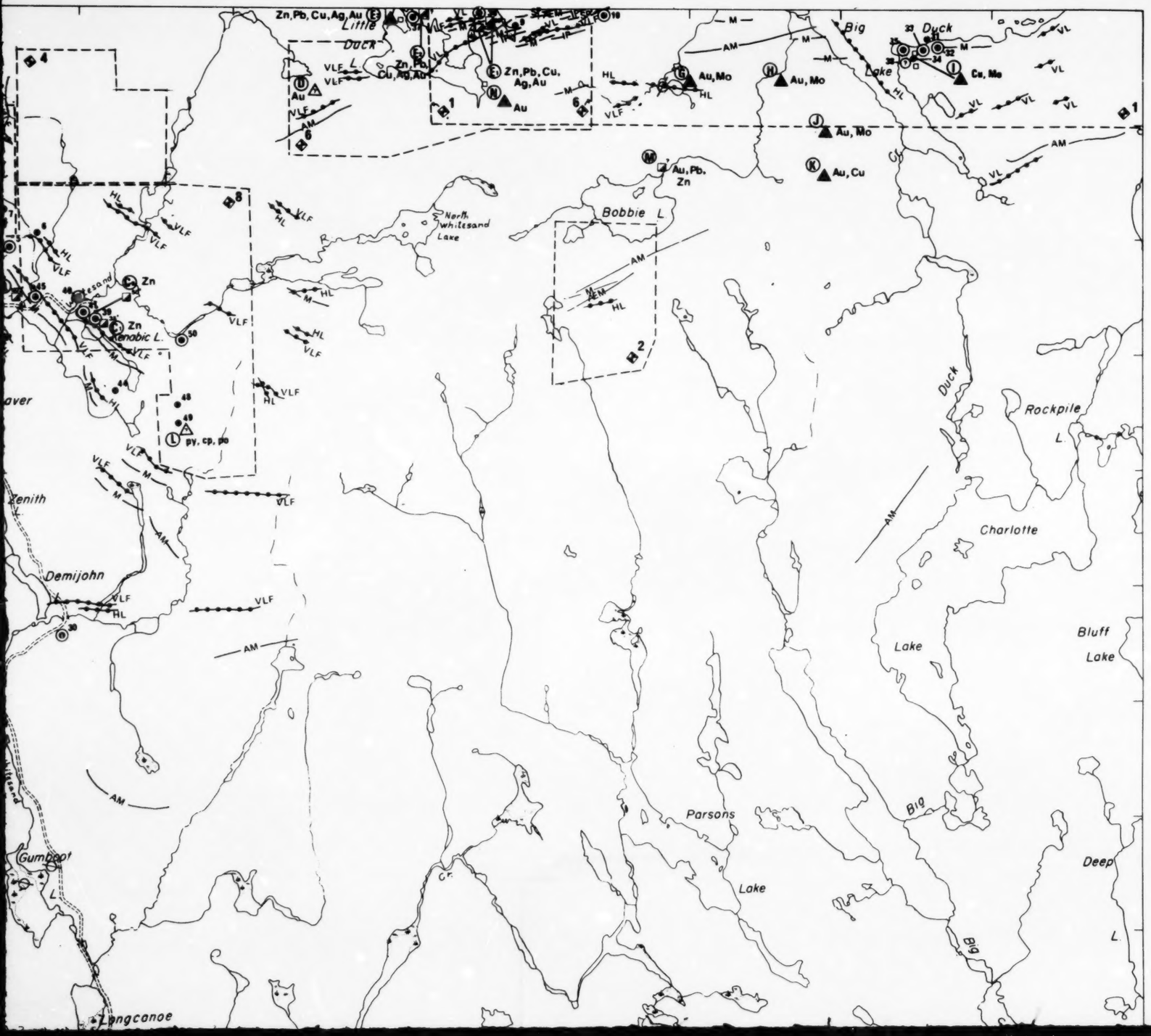
- ☒ AM — Airborne Magnetometer Anomaly
- ☐ — Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☒ — Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ — Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly




Winston
Lake
Winston
Triangle Lake
The Third Lake
Pick
L.
Cleaver
Zenith
Demijohn
Gumboot
L.
Whitesand
Longcanoe
Xenobic L.
North Whitesand Lake
Bobbie L
Little Duck
Big Duck Lake
Parsons Lake
Big
Char
Lake
Cr.
Zn, Pb, Cu, Ag, Au
Zn, Pb, Cu, Ag, Au
Zn, Pb, Cu, Ag, Au
Au
Au, Mo
Au, Mo
Au, Mo
Cu, Mo
Au, Pb, Zn
Au, Cu
Zn, Cu, Ag
Zn
Zn
Cu
Cu
py, cp, po
VLF
HL
AM
M

87° 15'

49° 00'



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David Hobbs, Deputy Minister

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 225

(Map **3** of **3**)

PAYS PLAT LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0 .5 0 .5 1 Mile

Kilometre 0 .5 0 .5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

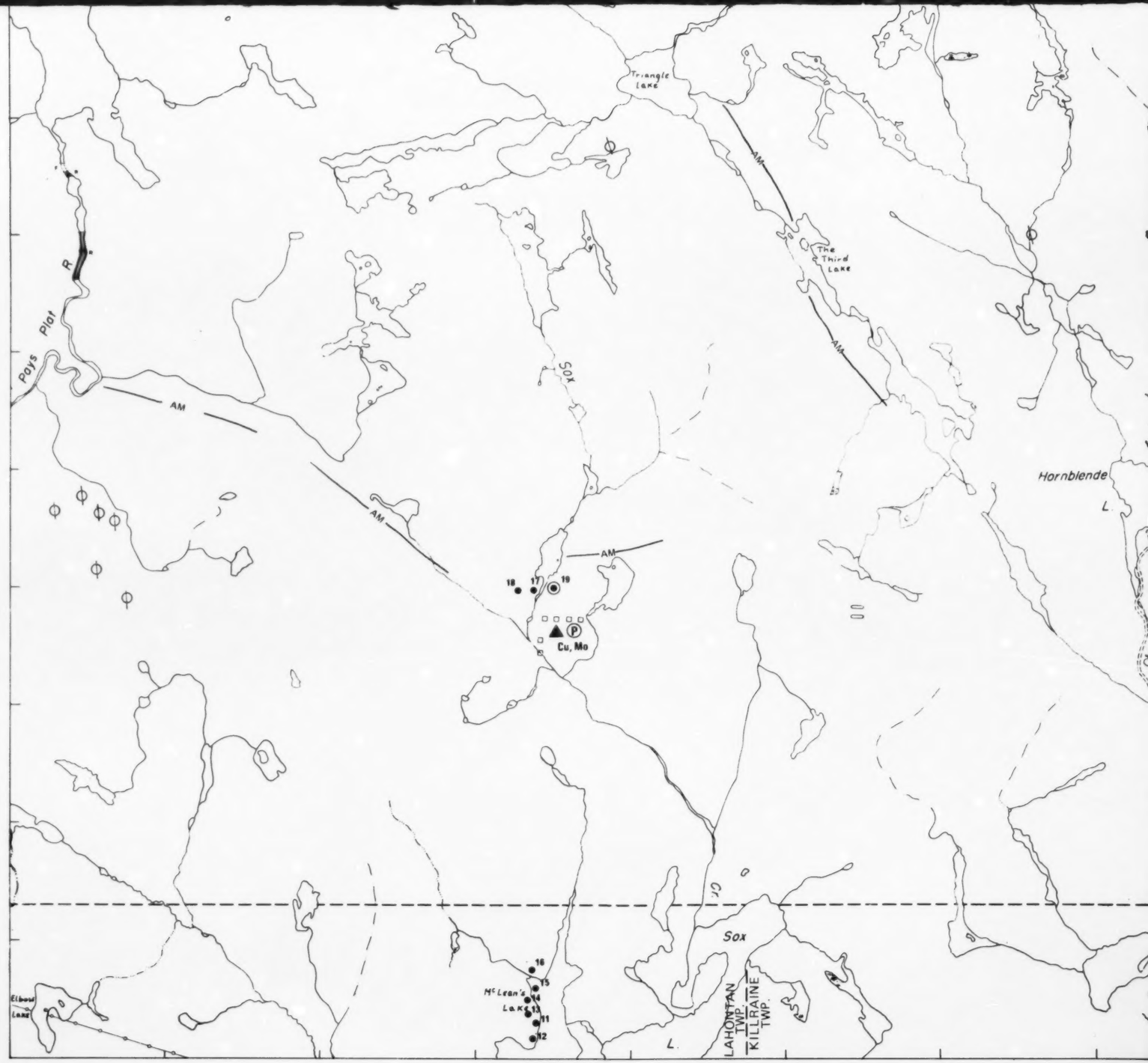
cp A. Mineral occurrence at surface, with reference letter

- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electromagnetic Anomaly

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Triangle Lake

The Third Lake

Sox

Whitesand

Gumboot

Longcanoe

Hornblende L.

Ambrose Lake

Crystal Lake

Ross

Upper Ross Lake

Lower Ross Lake

Jimmie Lake

Needle Lake

Parsons Lake

Big

Catherine

Ross Cr.

River

Sammy's Lake

McLean's Lake

Sox

L.

LAHONTAN TWP.

KILLRAINE TWP.

KILLRAINE TWP.

PRISKE TWP.

AM

M

Cu, Mo

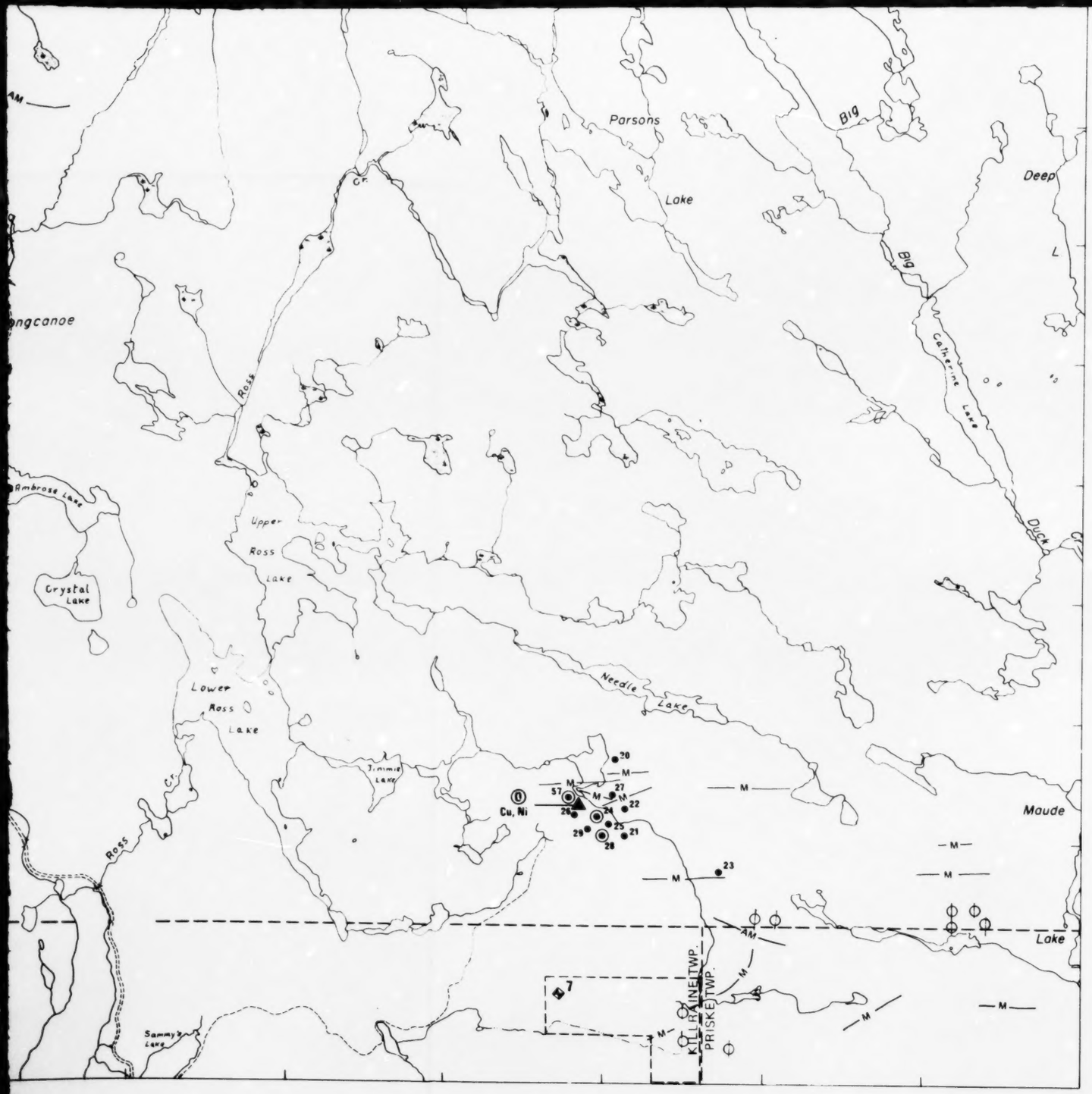
Cu, Ni

18 17 19

16 15 14 13 11 12

20 M 57 M 27 M 22 26 24 25 29 28 21 23

7



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag (?) A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

DRILL HOLES

- ●² — Location of single drill hole, with reference number
- ◉² — Location of closely spaced group of drill holes, with reference number
- (?)² — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- ○² — Property with drill holes which have not been plotted on map, with reference number
- ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number